## WHAT IS CLAIMED IS:

- 1. A surface acoustic wave device comprising:
- a package; (3)
- a plurality of metal bumps; and
- a piezoelectric substrate bonded to the package via the plurality of metal bumps;

wherein the piezoelectric substrate has different linear thermal expansion coefficients in two different directions of a bonding surface of the piezoelectric substrate on which the plurality of metal bumps are provided; and

the maximum distance between the metal bumps arranged in one of the two directions in which the piezoelectric substrate and the package have a greater difference between the linear thermal expansion coefficients is less than the maximum distance between the metal bumps arranged in the other direction in which the piezoelectric substrate and the package have a smaller difference between the linear thermal expansion coefficients.

2. A surface acoustic wave device according to Claim 1, wherein at least three of the metal bumps are disposed near any of four corners of the bonding surface of the piezoelectric substrate.

- 3. A surface acoustic wave device according to Claim 1, wherein the piezoelectric substrate is made of one of lithium tantalate and lithium niobate as a main component, and the package is made of alumina ceramic as a main component.
- 4. A surface acoustic wave device according to Claim 1, wherein one of the metal bumps is disposed near each of four corners of the bonding surface of the piezoelectric substrate.
- 5. A surface acoustic wave device according to Claim 1, wherein at least three of the metal bumps are disposed near any of four corners of the bonding surface of the piezoelectric substrate, and at least one of the metal bumps is disposed in the approximate center of the bonding surface of the piezoelectric substrate.
- 6. A surface acoustic wave device according to Claim 1, wherein the piezoelectric substrate is substantially rectangular.
- A surface acoustic wave device according to Claim 1, wherein the metal bumps are made of Au.

- 8. A surface acoustic wave device according to Claim 1, wherein the metal bumps are made of solder.
- 9. A surface acoustic wave device according to Claim 1, wherein the metal bumps are made of a metal containing Au.
- 10. A communication apparatus comprising a surface acoustic wave device according to Claim 1.
  - 11. A surface acoustic wave device comprising:
  - a package;
  - a plurality of metal bumps; and
- a piezoelectric substrate bonded to the package via the plurality of metal bumps;

wherein the piezoelectric substrate has a substantially rectangular bonding surface on which the metal bumps are provided and has different linear thermal expansion coefficients along the directions of two sides of the bonding surface; and

the maximum distance between the metal bumps disposed in one of the two side directions in which the piezoelectric substrate and the package have a greater difference between the linear thermal expansion coefficients is less than the maximum distance between the metal bumps arranged in the

other side direction in which the piezoelectric substrate and the package have a smaller difference between the linear thermal expansion coefficients.

- 12. A surface acoustic wave device according to Claim
  11, wherein at least three of the metal bumps are disposed
  near any of four corners of the bonding surface of the
  piezoelectric substrate.
- 13. A surface acoustic wave device according to Claim
  11, wherein the piezoelectric substrate is made of one of
  lithium tantalate and lithium niobate as a main component,
  and the package is made of alumina ceramic as a main
  component.
- 14. A surface acoustic wave device according to Claim 11, wherein one of the metal bumps is disposed near each of four corners of the bonding surface of the piezoelectric substrate.
- 15. A surface acoustic wave device according to Claim
  11, wherein at least three of the metal bumps are disposed
  near any of four corners of the bonding surface of the
  piezoelectric substrate, and at least one of the metal bumps
  is disposed in the approximate center of the bonding surface

of the piezoelectric substrate.

- 16. A surface acoustic wave device according to Claim 11, wherein the metal bumps are made of Au.
- 17. A surface acoustic wave device according to Claim 11, wherein the metal bumps are made of solder.
- 18. A surface acoustic wave device according to Claim 11, wherein the metal bumps are made of a metal containing Au.
- 19. A communication apparatus comprising a surface acoustic wave device according to Claim 11.